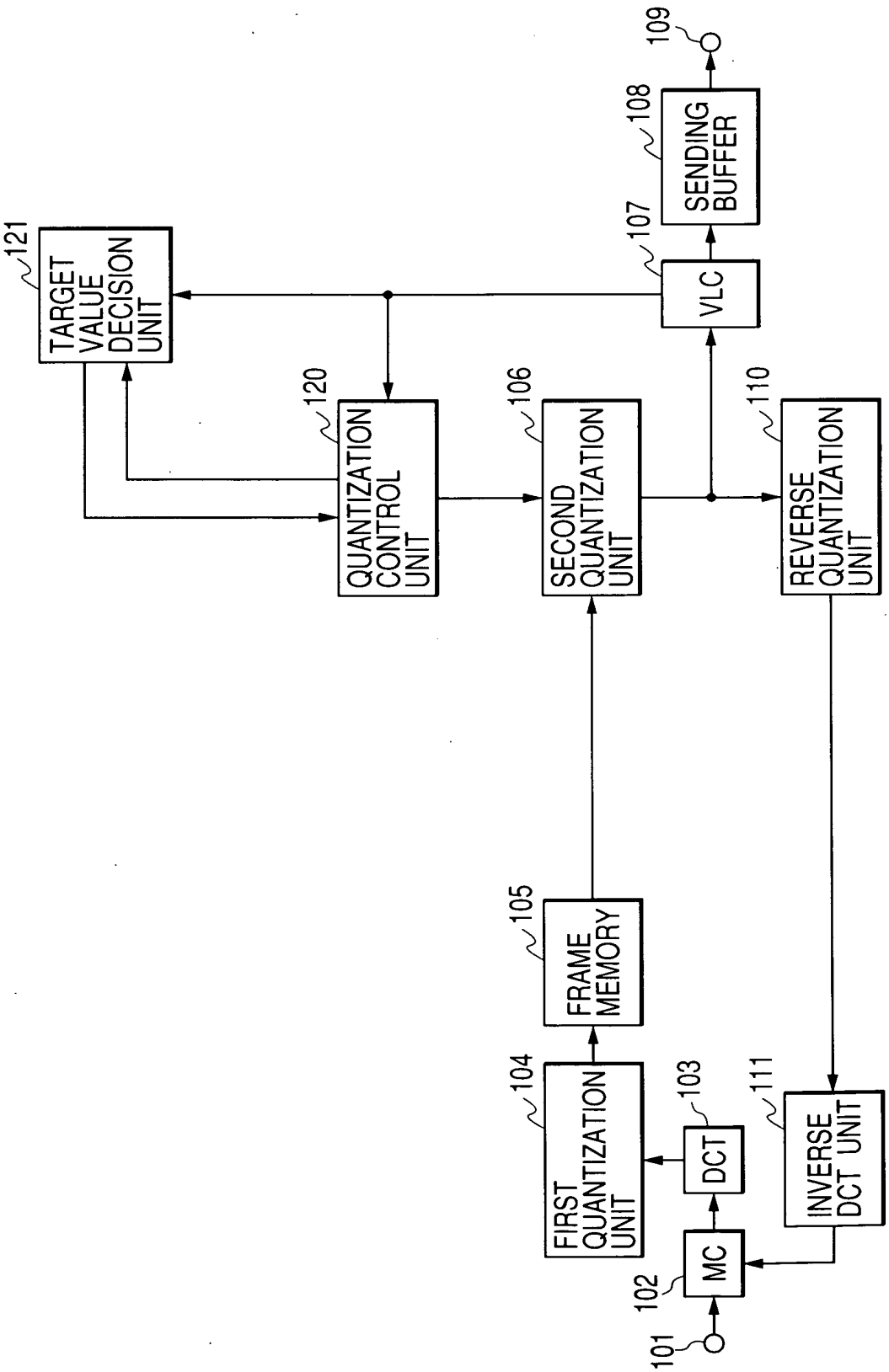
EDITED - 16869

FIG. 1



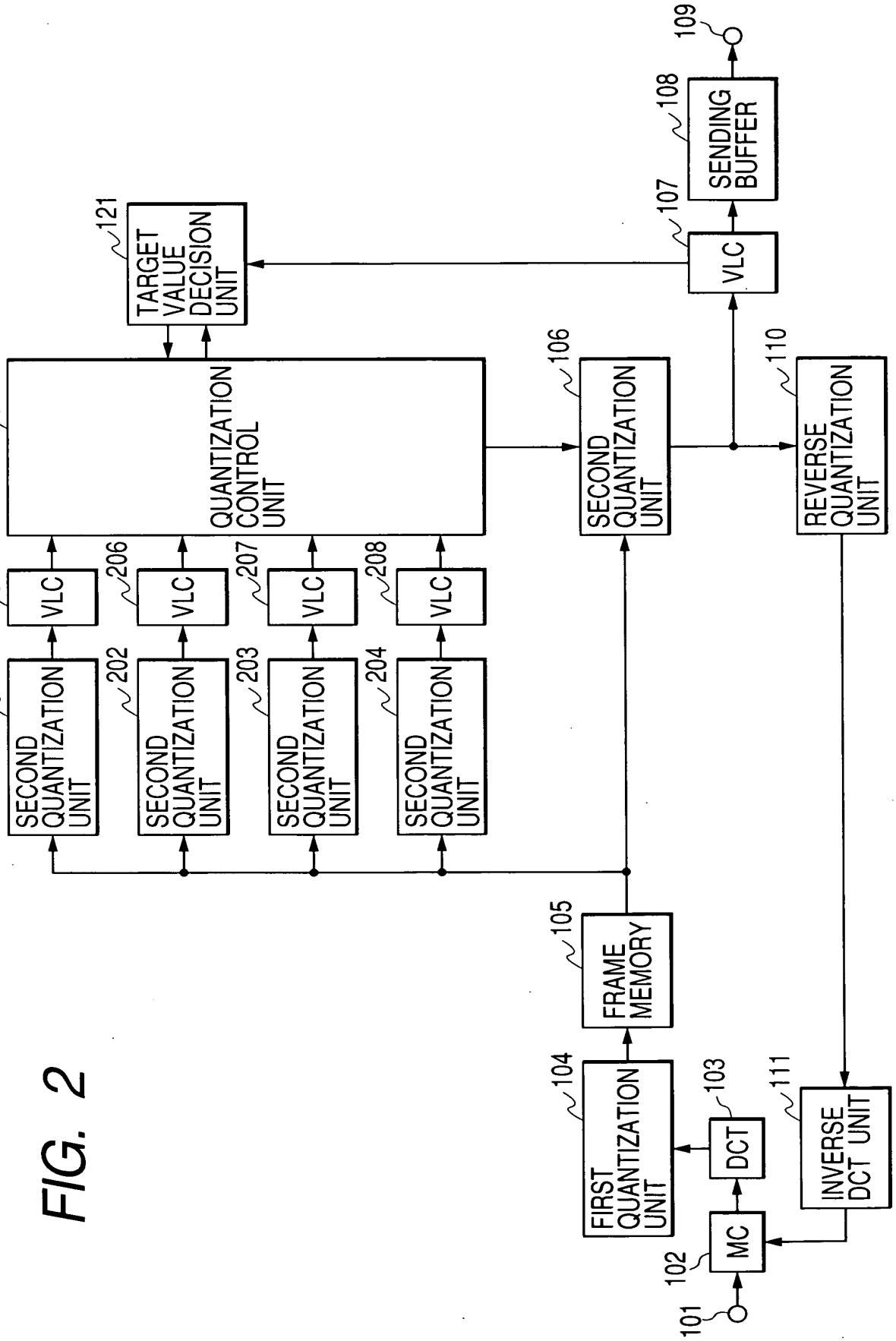

101
102
MC
103
DCT
104
FIRST QUANTIZATION UNIT
105
FRAME MEMORY
106
SECOND QUANTIZATION UNIT
107
VLC
108
SENDING BUFFER
109
110
REVERSE QUANTIZATION UNIT
111
INVERSE DCT UNIT
120
QUANTIZATION CONTROL UNIT
121
TARGET VALUE DECISION UNIT
201
202
203
204
SECOND QUANTIZATION UNIT
205
206
207
208
VLC

FIG. 2

FIG. 3

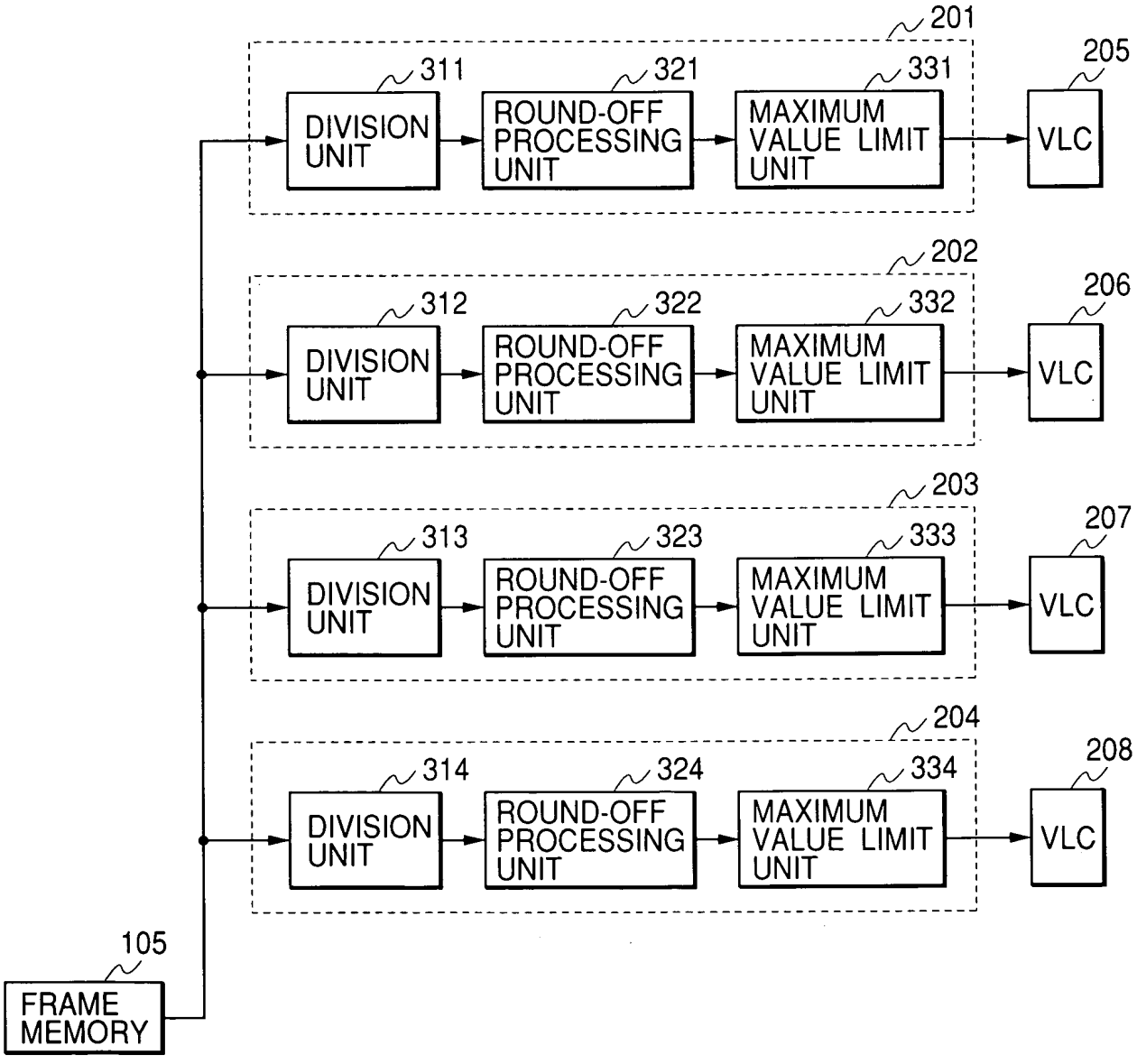

201
311
321
331
205
DIVISION UNIT
ROUND-OFF PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
202
312
322
332
206
DIVISION UNIT
ROUND-OFF PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
203
313
323
333
207
DIVISION UNIT
ROUND-OFF PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
204
314
324
334
208
DIVISION UNIT
ROUND-OFF PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
105
FRAME MEMORY

FIG. 4

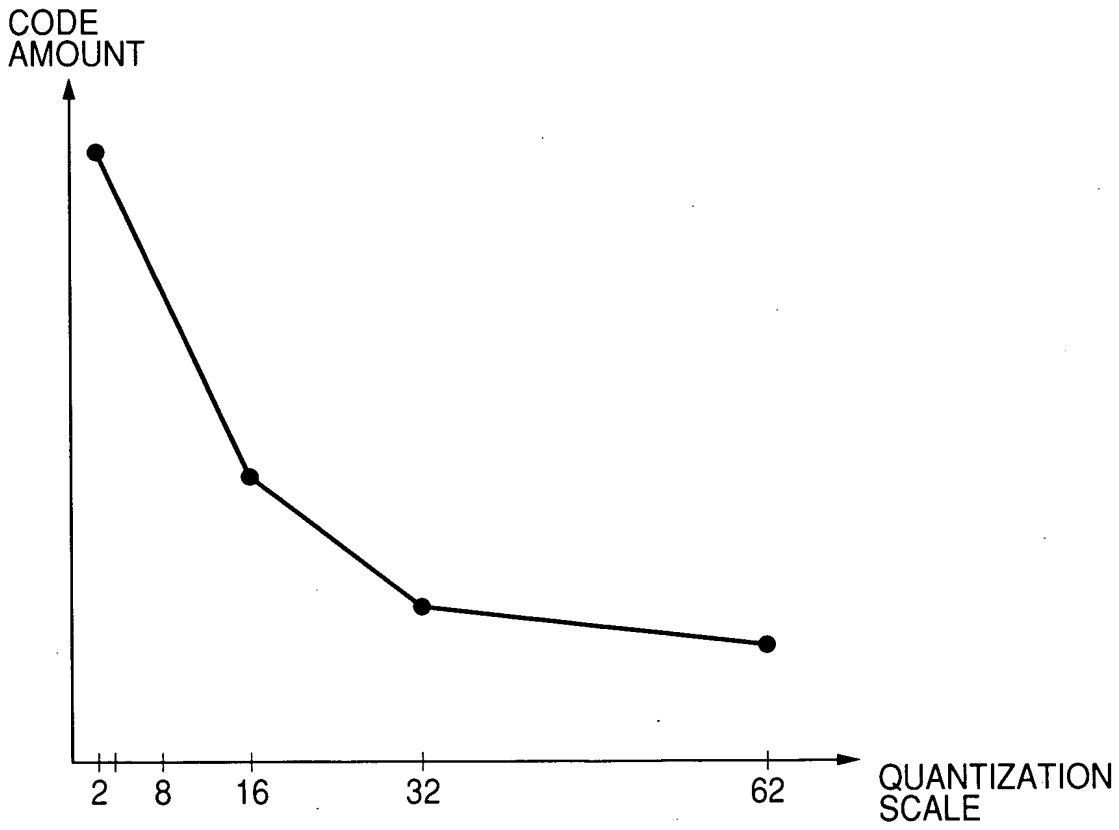
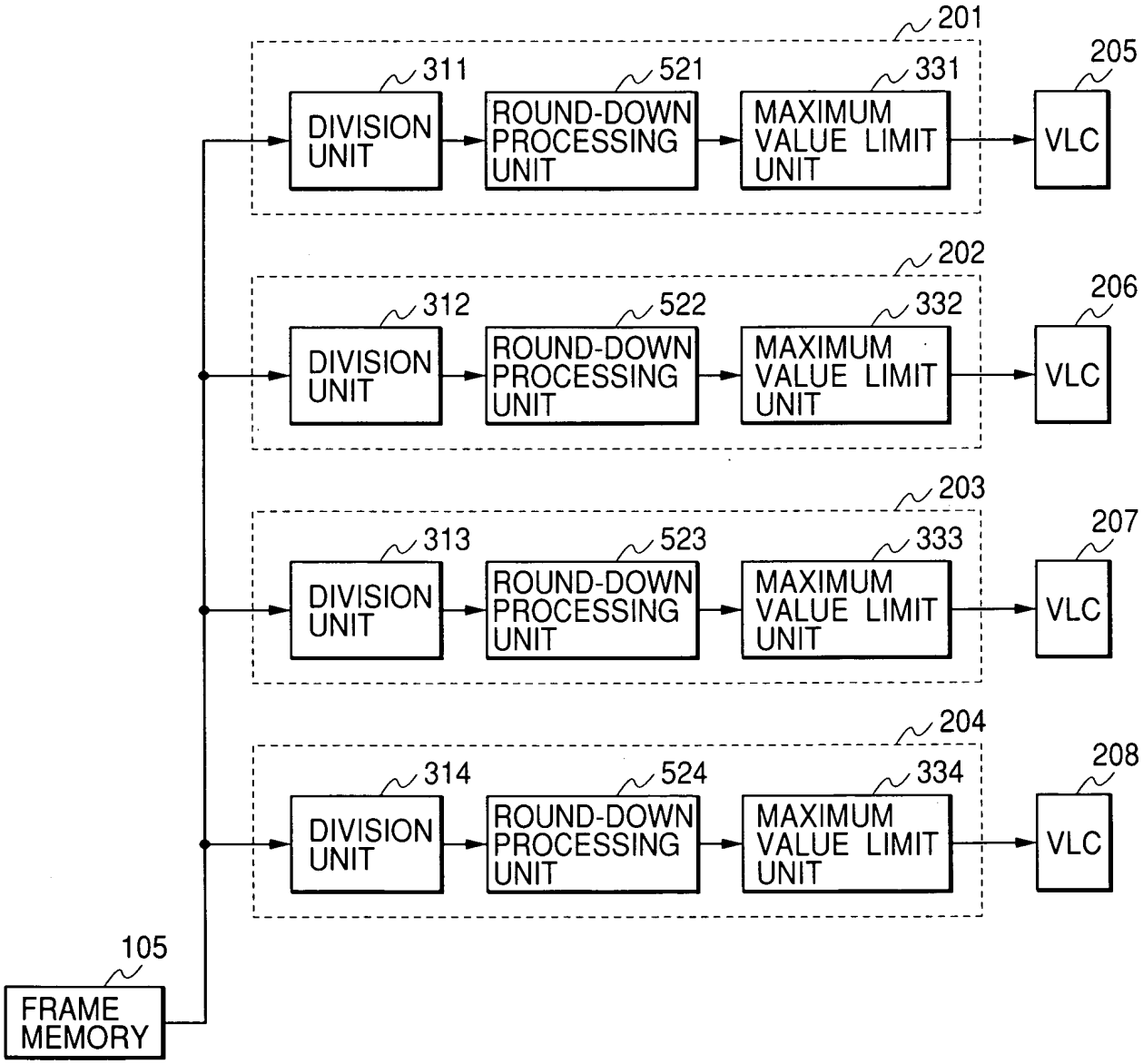


FIG. 5


201
311
521
331
205
DIVISION UNIT
ROUND-DOWN PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
202
312
522
332
206
DIVISION UNIT
ROUND-DOWN PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
203
313
523
333
207
DIVISION UNIT
ROUND-DOWN PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
204
314
524
334
208
DIVISION UNIT
ROUND-DOWN PROCESSING UNIT
MAXIMUM VALUE LIMIT UNIT
VLC
105
FRAME MEMORY

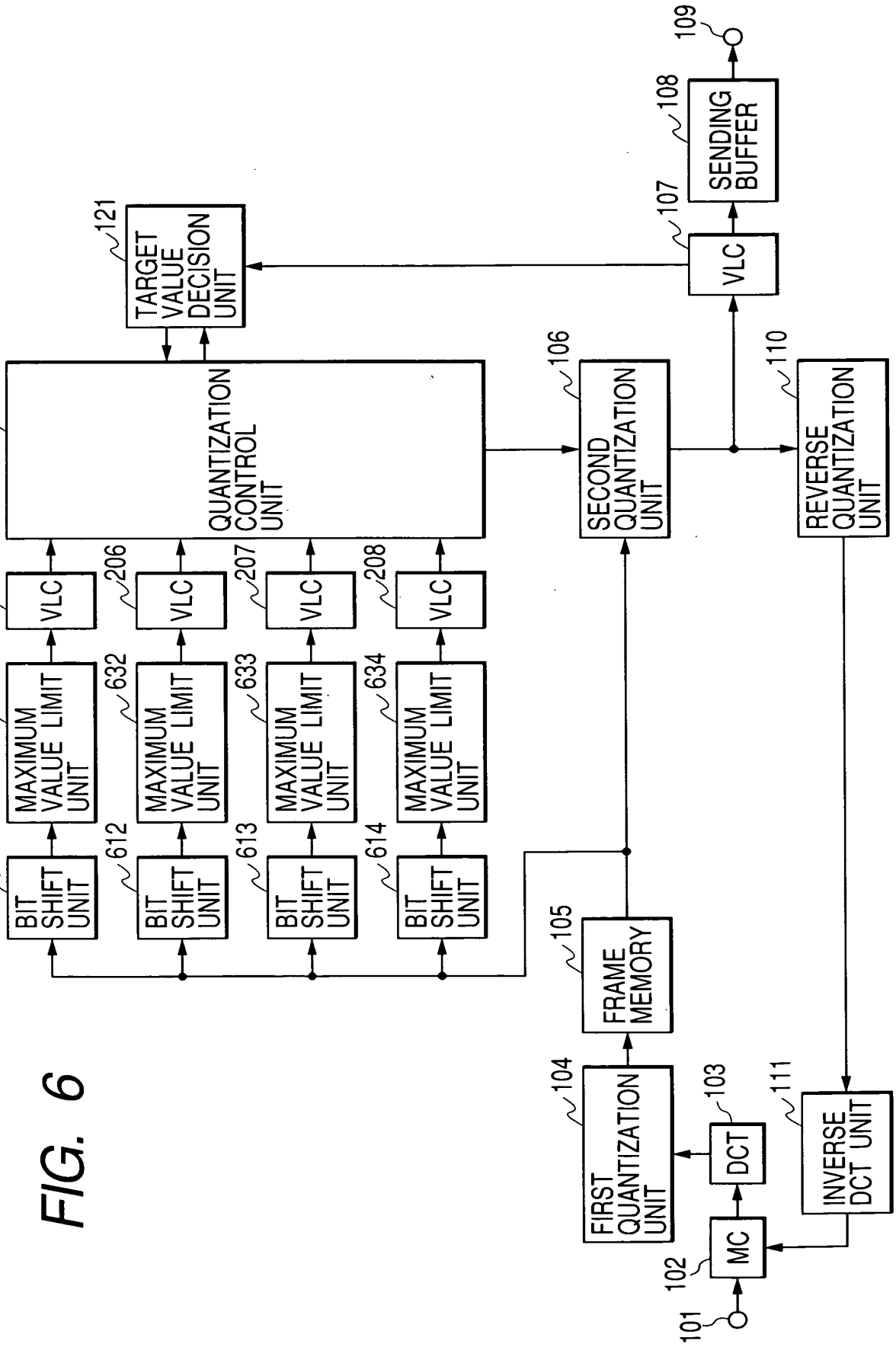

101
102
MC
103
DCT
104
FIRST QUANTIZATION UNIT
105
FRAME MEMORY
106
SECOND QUANTIZATION UNIT
107
VLC
108
SENDING BUFFER
109
110
REVERSE QUANTIZATION UNIT
111
INVERSE DCT UNIT
120
QUANTIZATION CONTROL UNIT
121
TARGET VALUE DECISION UNIT
205
206
207
208
VLC
631
632
633
634
MAXIMUM VALUE LIMIT UNIT
611
612
613
614
BIT SHIFT UNIT

FIG. 6

FIG. 7

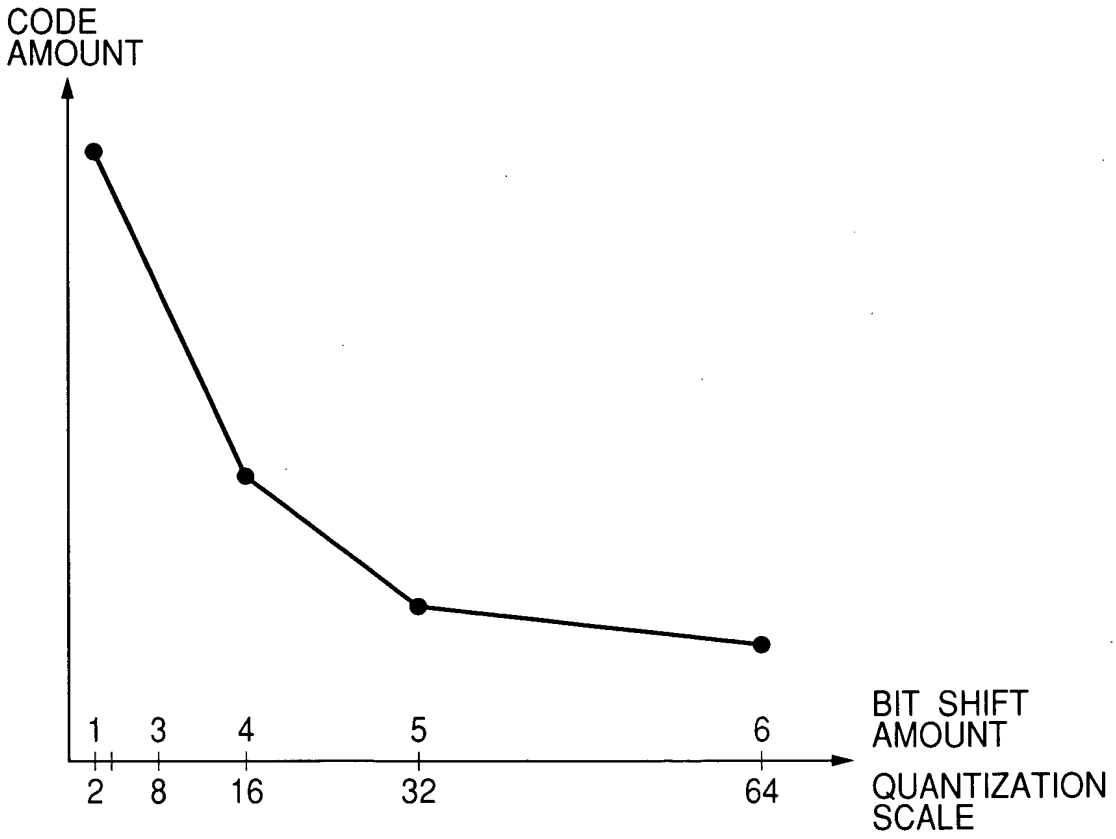
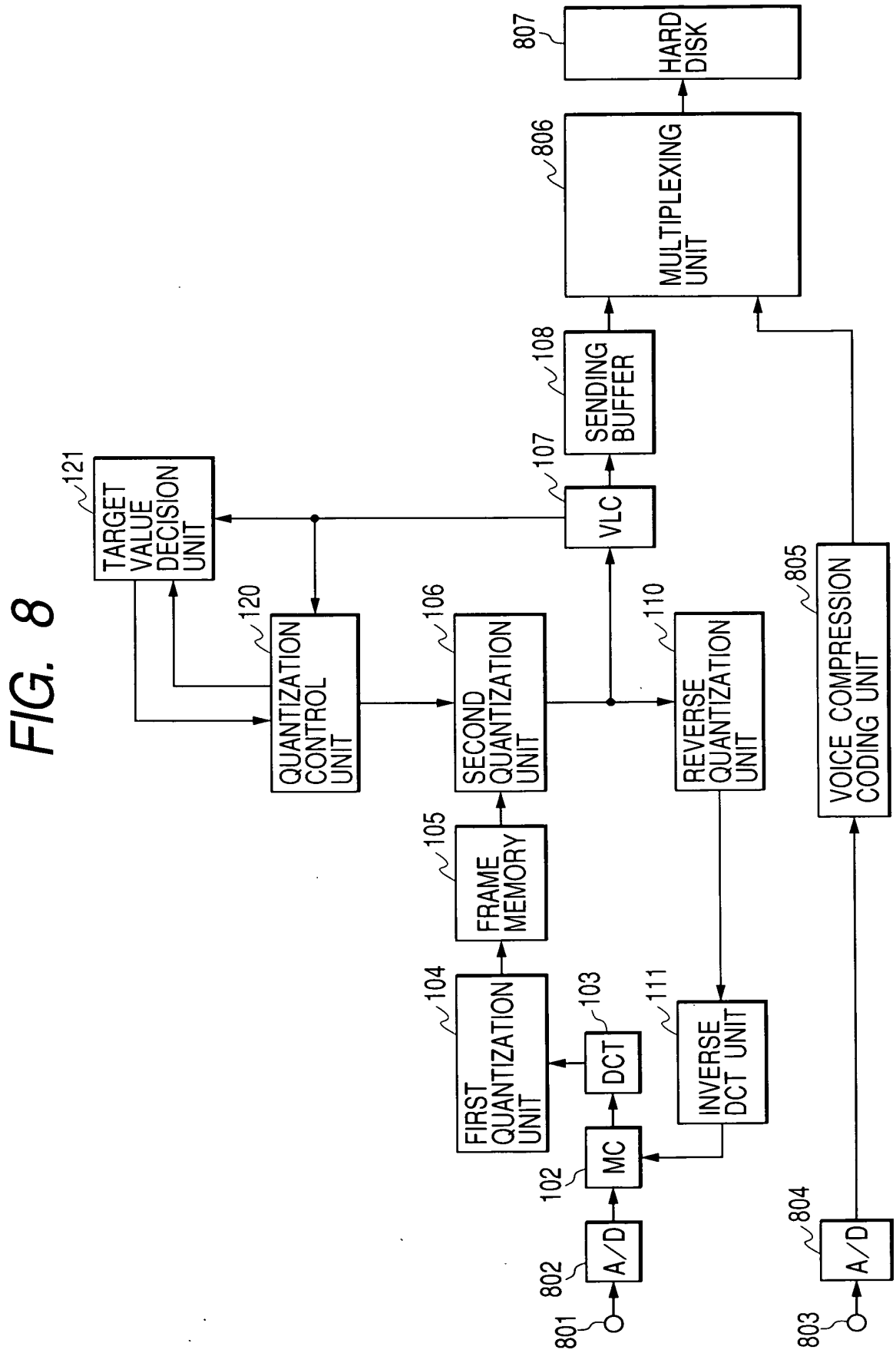

CODE AMOUNT
1
3
4
5
6
BIT SHIFT AMOUNT
2
8
16
32
64
QUANTIZATION SCALE

FIG. 8


807
HARD DISK
806
MULTIPLEXING UNIT
108
SENDING BUFFER
107
VLC
121
TARGET VALUE DECISION UNIT
120
QUANTIZATION CONTROL UNIT
106
SECOND QUANTIZATION UNIT
110
REVERSE QUANTIZATION UNIT
805
VOICE COMPRESSION CODING UNIT
105
FRAME MEMORY
104
FIRST QUANTIZATION UNIT
103
DCT
111
INVERSE DCT UNIT
102
MC
802
A/D
801
804
A/D
803